



November 14<sup>th</sup>, 2025 - Revision R001

## PRODUCT CHANGE NOTIFICATION

### PCN007/2025 – OEM7500 GNSS ACTIVATION UPGRADE DDN-LNN-TNN TO FDN-LNN-TNN

#### 1. PCN OVERVIEW

<b>PRODUCT AFFECTED</b>	Ti5-C04-N000-NA0 Ti7-C04-N000-NB0 Ti10-C04-C100-NA0 Ti10-C04-N100-NA0 Ti10-C04-N000-NA0 Ti7-C04-C000-NB0
<b>NEW PART NUMBER (if applicable)</b>	Not applicable
<b>TYPE OF CHANGE</b>	<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR <input type="checkbox"/> OBSOLESCENCE
<b>CHANGE AFFECTS</b>	<input type="checkbox"/> FORM <input type="checkbox"/> FIT <input checked="" type="checkbox"/> FUNCTION  <input type="checkbox"/> RELIABILITY <input type="checkbox"/> OTHER

**Commented [FH1]:** @MELO Daniel, para o Core Box com OEM7700 e 7720 é importante mudar também. Não sei se fez e só não incluiu aqui como nunca teve vendas desses modelos.

**Commented [DM2R1]:** Existe uma versão criada que usa OEM7500, mas realmente nunca teve venda (acho que nem faz parte do portfólio). Vou remover. A versão do CB 7700 não usa o GNSS com esta ativação. É somente o HW, sem numa ativação comprada por nossa parte. Nesta caso, nós teríamos que adicionar esta ativação no 7700 existente?

#### 2. DETAILED CHANGE INFORMATION

All products equipped with the OEM7500 GNSS module currently using activation DDN-LNN-TNN will be updated to activation FDN-LNN-TNN.

This change increases the number of supported constellations and expands the module's GNSS capabilities, as detailed below:

**DDN-LNN-TNN:** GPS+GLO+QZSS, L1/L2/E1/E5B/B1/B2/B2b, SBAS L1, Single Point, 20 Hz Data Output Rate Includes GLIDE & RAIM

**FDN-LNN-TNN:** GPS+GLO+GAL+BDS+QZSS, L1/L2/E1/E5B/B1/B2/B2b, SBAS L1, Single Point, 20 Hz Data Output Rate Includes GLIDE & RAIM

#### 3. IDENTIFICATION OF AFFECTED PRODUCT

No physical changes are introduced by this update, and the part number remains unchanged. All products shipped after the notification date will already include the new activation.

**Commented [FH3]:** @MELO Daniel, confirma que vamos atualizar tudo que temos em estoque? Caso não é bom ter o número de série "de corte" a partir de qual vamos usar o FDN.

**Commented [DM4R3]:** Vou verificar se tem algum produto montado em estoque, neste caso acho que não seria alterado.



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#### **4. REASON FOR CHANGE**

This update aims to improve the GNSS performance of the product by enabling additional constellations available in the OEM7500 module. Expanding the activation from DDN-LNN-TNN to FDN-LNN-TNN enhances positioning robustness, satellite availability, and overall navigation reliability in challenging environments, without requiring hardware modifications or changes to the product part number.

#### **5. IMPACTS OF THE CHANGE**

The change has no impact on the physical design, part number, or manufacturing process of the product. The update affects only the GNSS activation configuration, resulting in improved satellite availability and enhanced positioning performance. Existing functionalities remain unchanged, and no adverse effects are expected.

#### **6. PROPOSED FIRST SHIP DATE: IMMEDIATELY**

The Proposed First Ship Date reflects that all products shipped immediately after the notification date will already include the updated activation.

#### **7. MORE INFORMATION**

For more information, please contact your Hexagon sales or technical support person.